

# INTERCONNECTION SCHEME FOR HEAD ARMS OF DISK DRIVE ACTUATOR

## Abstract

The invention includes at least one head arm providing head electrical interconnection as  
5 essentially parallel traces on at least one face of the head arm using the metallic body of  
the head arm as a ground plane. This insures that the neighboring pairs of parallel traces  
used for differential read and write interconnection have essentially matched impedance,  
lowering crosstalk between the write and read signal pairs. The invention includes voice  
coil actuator arms comprising at least one of these head arms, as well as, disk drives  
10 made using these voice coil actuator arms.